Mahatma Jyotiba Phule Rohilkhand University, Bareilly-243006

#### **WELCOME NOTE**

Dear students you are warmly welcome to the Department of Applied and Regional Economics of Mahatma Jyotiba Phule Rohilkhand University. You are our esteemed treasure and it is our greatest endeavor to provide you a very congenial academic environment for your smooth and successful completion of the course work and accompanied activities with inspirational results. We hope to provide you the best possible friendly cooperation as well as commitment for your academic and intellectual pursuits.

At a time of global competition when quality of learning matters the most we expect maximum possible effort, engagement and involvement on your part toward your studies and preparations for a glittering future. Only a focused approach can lead us to the desired destination and we sincerely hope that throughout your stay here at the Department of Applied and Regional Economics you will strengthen our faith and also that of yours in you. Must remember that the academic pursuit of yours is the asset of humankind and the national and international humanity await your services!

A very congenial student-teacher relationship is the tradition of the department. You can come and consult your teachers freely and fearlessly whenever your pleasure allows you to have interaction on any academic and intellectual problem.

Adherence to the academic schedule, attendance in classroom lectures, participation in departmental activities and timely fulfillment of academic assignments is the minimum we hope from you and any variance from the same will be unbearable. Also ragging and other behavioral deviations will be extremely unpleasant for us to bear with. However group interaction and collective activities in the interest of teaching-learning are highly promoted.

The course structure of our Master of Arts / Master of Philosophy programs and our way of interaction are oriented towards academic as well as competitive examinations. Your course and your faculty are of immense help for your preparations for reputed competitive examinations like IAS, IES, PCS, corporate market, banking etc. apart from UGC JRF and NET.

This welcome-brochure provides you with an academic calendar, university list of holidays, time-table, curriculum and other relevant information.

Let's hope the best from all of us.

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## **TENTATIVE CALENDAR OF ACADEMIC ACTIVITIES SESSION 2015-16**

[A]: Course M. Phil. (App. & Reg. Economics): Semester I

Sr. No.	Activity	Tentative Dates	Maximum Marks
1	Commencement of classes	1 <sup>st</sup> week of September 2015	
2	Allotment of Internal Assignments on each paper (topics to be mutually decided by the concerned teacher and the students) Submission of these assignments	2 <sup>nd</sup> week of September 2015 Latest by 3 <sup>rd</sup> week of November 2015	10 marks in each paper
3	Allotment of topics for practical/field Survey (to be mutually decided by the concerned teacher and the students) Submission of practical/field work report  Class room Presentation of and open discussion on practical/ field work report	2 <sup>nd</sup> week of September 2015 Latest by 3 <sup>rd</sup> week of November 2015 4 <sup>th</sup> week of November 2015	100 marks
4	1 <sup>st</sup> Unit Tests in each paper; (Syllabus units 1, 2 and 3 subject to concerned teacher's opinion)	14, 15, 16 October 2015	10 marks in each paper
5	2 <sup>nd</sup> Unit Tests in each paper; (Syllabus units 4, 5 and 6 subject to concerned teacher's opinion)	17, 18, 19 November 2015	10 marks in each paper
6	Make up unit tests (optional) (Syllabus units 7 and 8 subject to concerned teacher's opinion) Note:  1. Make-up unit tests are a sort of supplementary tests to make up for loss of marks or loss of attempt at either unit tests 1 or 2.  2. Make-up unit tests can compensate only for one loss of attempt at either unit tests.  3. A student who failed to take both unit tests 1 and 2 will be at a permanent loss of marks of one unit test/tests (10 marks for each absented paper) even after taking a make-up test.  Semester end examinations	8, 9, 10 December 2015	Maximum marks of internal assessment in each paper =30 marks.  [One Assignment 10 marks + two UTs of 10 marks each]
	Note: any reasonable request for change/suggestion of date(s) of semester-end-exams will be entertained only one month prior to the commencement of the exams.	December 2015	paper
8	Commencement of classes of semester 2	1 <sup>st</sup> week of January 2016	

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## **TENTATIVE CALENDAR OF ACADEMIC ACTIVITIES SESSION 2015-16**

[B]: Course M. Phil. (App. & Reg. Economics): Semester II

Sr. No.	Activity	Tentative Dates	Maximum Marks
1	Commencement of classes	1 <sup>st</sup> week of January 2016	
2	Allotment of Internal Assignments on each paper (topics to be mutually decided by the concerned teacher and the students) Submission of these assignments	2 <sup>nd</sup> week of January 2016 Latest by 3 <sup>rd</sup> week of March 2016	10 marks in each paper
3	Allotment of topics for Term Paper / Dissertation (to be mutually decided by the concerned teacher and the students) Submission of Term Paper / Dissertation  Class room Presentation of and open discussion on Term Paper / Dissertation	2 <sup>nd</sup> week of January 2016 Latest by 3 <sup>rd</sup> week of March 2016 4 <sup>th</sup> week of March 2016	100 marks
4	1 <sup>st</sup> Unit Tests in each paper; (Syllabus units 1, 2 and 3 subject to concerned teacher's opinion)	2 <sup>nd</sup> week of February 2016	10 marks in each paper
5	2 <sup>nd</sup> Unit Tests in each paper; (Syllabus units 4, 5 and 6 subject to concerned teacher's opinion)	2 <sup>nd</sup> week of March 2016	10 marks in each paper
6	Make up unit tests (optional) (Syllabus units 7 and 8 subject to concerned teacher's opinion) Note:  1. Make-up unit tests are a sort of supplementary tests to make up for loss of marks or loss of attempt at either unit tests 1 or 2. 2. Make-up unit tests can compensate only for one loss of attempt at either unit tests. 3. A student who failed to take both unit tests 1 and 2 will be at a permanent loss of marks of one unit test/tests (10 marks for each absented paper) even after taking a make-up test.	2 <sup>nd</sup> week of April 2016	Maximum marks of internal assessment in each paper =30 marks.  [One Assignment 10 marks + two UTs of 10 marks each]
7	Semester end examinations Note: any request for change/suggestion of date(s) of semester end exams will be entertained only one month prior to the commencement of the exams.	3 <sup>rd</sup> / 4 <sup>th</sup> weeks of April & 1 <sup>st</sup> week of May 2016	70 marks in each paper

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## **TENTATIVE CALENDAR OF ACADEMIC ACTIVITIES SESSION 2015-16**

## [C]: Course M. Phil. (App. & Reg. Economics): Semester III & IV

Sr.	Activity	Tentative	Maximum
No.		Dates	Marks
1	Commencement of session	July 2015	*
2	Allotment of topics for Dissertation (to be mutually decided by	July to August	100 marks
	the concerned teacher and the students) and	2015	
	Submission of synopses		
3	Submission of final draft of dissertation as approved by the	Latest by 31 <sup>st</sup>	
	concerned supervisor as well as Class room presentation of and	January 2016	
	open discussion on Dissertation		

## TIME TABLE SESSION 2015-16: M. Phil. (A. & R. Economics) Semester I

Period	Period 1	Period 2	Period 3	Period 4
Time	10:30-11:30	11:30-12:30	12:30-1:30	1:30-2:30
Monday	Issues in	Issues in Indian	Research	Practical / Field Survey
to	Development	Economy (I)	Methodology	
Friday	Economics (I)		,	M. K. Singh
		000		S. Dhawan
	M.I. Khan	S. Dhawan	M. K. Singh	M. I. Khan
Saturday	Dissertation M. Phil. Previous Batch Semester III & IV			r III & IV
	[Note: Semester III students of <u>batch 2013-15</u> have to submit synopsis by 31 <sup>st</sup> August			
	2015, draft-dissertation by 28 <sup>th</sup> February and final theses by 31 <sup>st</sup> March 2015.]			

## TIME TABLE SESSION 2015-16: M. Phil. (A. & R. Economics) Semester II

Period	Period 1	Period 2	Period 3	Period 4	
Time	10:30-11:30	11:30-12:30	12:30-1:30	1:30-2:30	
Monday	Issues in	Issues in Indian	Research	Practical / Field Survey	
to	Development	Economy (II)	Techniques		
Friday	Economics (II)			M. K. Singh	
				S. Dhawan	
0	M.I. Khan	S. Dhawan	M. K. Singh	M. I. Khan	
Saturday	Dissertation M. Phil. Previous Batch Semester III & IV				
	[Note: Semester IV students of batch 2013-15 have to submit draft-dissertation by				
77.	28 <sup>th</sup> February and final theses by 31 <sup>st</sup> March 2015.]				

## TIME TABLE SESSION 2015-16: M. Phil. (A. & R. Economics) Semester III & IV

Period	Period 1	Period 2	Period 3	Period 4
Time	10:30-11:30	11:30-12:30	12:30-1:30	1:30-2:30
Friday & Saturday		ion M. Phil. Semester III & IV and Pending Previous Batches lability and schedule depending upon teachers' convenience)		
	[Note: All students of <u>2015-16 Batch</u> have to submit synopsis of research topic by 31 <sup>st</sup> august 2015 and final draft of dissertation by 31 <sup>st</sup> January 2016.]			

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Dr. M .K. Singh,	Dr. S. Dhawan;	M. I. Khan	

## <u>List of Papers of M. Phil. (A & R Economics) sessions 2014-15 & 2015-16:</u>

[Note: Minimum pass marks for each paper of each semester are 50% of the maximum marks assigned to each individual papers. Maximum marks: Sem. I =400; sem. II =400; sem. III&IV =200; Total=1000]

# [A]: List of Papers of M. Phil. Semester I

Paper	Catch	Paper Title	Maximum Marks
Nos.	Nos.		(500)
1	MPH	Research Methodology	30 internal + 70
	ECO 101		external= 100
2	MPH	Issues in Development Economics (I)	30 internal + 70
	ECO 102		external= 100
3	MPH	Issues in Indian Economy (I)	30 internal + 70
	ECO 103		external= 100
4	MPH	Practical (Field Survey)	100 internal
	ECO 104	[Students will be assigned to a teacher (as well as internal	evaluation= 100
		examiner) under whose guidance they will have to	
		collect/assemble economic information and data on a problem	
		of economic significance and prepare a report thereon which	
		will be presented and discussed in an open session.]	

## [B]: List of Papers of M. Phil. Semester II

Paper	Catch	Paper Title	Maximu	m Marks
Nos.	Nos.		(500)	
5	MPH	Research Techniques	30 inter	nal + 70
	ECO 201		external:	= 100
6	MPH	Issues in Development Economics (II)	30 inter	nal + 70
	ECO 202	*	external:	= 100
7	MPH	Issues in Indian Economy (II)	30 internal + 70	
	ECO 203		external= 100	
8	MPH	Practical (Data Analyses and Interpretation)	100	internal
	ECO 204	Students will work under the guidance of the teacher who had	evaluatio	on= 100
	N.K.	supervised during semester I and prepare a comprehensive		
*	7 / /	project on the data collected/assembled during the last		
الم يلا		semester. It will be a detailed and analytical interpretation of		
3		economic relevance. The project will be presented and		
		discussed in an open class-room session. After successful		
		presentation it will be recommended for evaluation.]		

# [C]: List of Papers of M. Phil. Semester III & IV:

Paper	Catch	Paper Title	Maximum
Nos.	Nos.		Marks (200)
9	MPH	Dissertation / Research project on a pre-decided topic	100 marks
	ECO 301		

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		[Note: Names of supervisors will be decided at the start of semester one. The same teacher will guide a student for practical papers 4 & 8 of semester one and two and also for dissertation work (paper 9).]	
10	MPH	Viva-Voce	100 marks
	ECO 302		

Syllabus: M. Phil. (A & R Economics) Semester I

Paper II: Issues in Development Economics (I).

#### **Unit 1 Theoretical Framework of Development Economics:**

**Evolution of development economics**: pre-colonial economic conditions and contemporary economic discourse, colonial dominance and economic dependency, economic instability and growth debate between the world wars, post-colonial developmentalism, development debate under economic globalization;

#### Unit 2 Theoretical Framework of Development Economics:

**Development and growth**: conceptual meaning and resultant implications, Quantitative paradigm of economic development vs. Qualitative paradigm of economic development;

**Characteristics of economic growth and development:** historical, institutional, structural, endogenous, and critical characteristics.

**Measurement of economic growth**: quantitative aggregation of output- GDP and PCGDP, NDP and PCNDP;

#### Unit 3 Alternate indicators of economic development:

**HDI**- construction and interpretation, gender equality, linkages between GDP and HDI based indicators; distributive concern- Gini-coefficient of inequality, commodity mix and economic welfare, environmental concern and growth sustainability, exclusion vs. inclusion;

## **Unit 4 Theories of Growth and Development:**

**The classical construct**: free and freely expanding market, capital accumulation, population, stationary state; Adam Smith and the division of labour, David Ricardo and the falling rate of profit, J. B. Say and infinity of equality of supply and demand, T. R. Malthus and the possibility of general glut, J. S. Mill and the blessings of stationary state;

#### Unit 5 Theories of economic growth and development:

**Karl Marx** and the dynamic fall of capitalism; **Schumpeter** and the process of innovation;

#### **Unit 6 Theories of Growth and Development:**

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**Keynesian Tradition: J. M. Keynes** and the deficiency of demand and the scope for guided intervention; **Harrod-Domar** model of economic growth and inherent stability, distribution based models of Kaldor, Pessinetti;

Neo-classical: models of Sollow, Robinson;

## **Unit 7 Theories of Growth and Development:**

**Partial theories of development**: the unlimited supply of labour argument of A. Lewis, the big-push of Rosenstien Rodan, Leibenstein's minimum critical effort, Phelp- Nelson hypotheses of low level of equilibrium trap, Reinis Fie;

**Complementary theories of development:** balanced vs. unbalanced linkages of growth debate of Nurkes and Hirschman, Boeke's social dualism, Mint's financial dualism, Higginns' technological dualism, Fred Riggs' hypotheses of Prismatic Societies;

#### **Unit 8 Theories of Growth and Development:**

Rostow's **Historical generalization** of the stages of growth; Income convergence vs. Dependency paradigm;

Fred Riggs' hypotheses of **Prismatic Societies**;

**Theory of Endogenous factors of growth**: the human capital approach, HRD, technology, localized experience;

New-classical constructs of free market and public choice.

#### **References:**

Amratya K. **Sen**: Growth Economics\*. Penguin.

Benjamin **Higgins**: Economic Development.

Debraj Ray: 2008. Development Economics\*.Oxford University Press. New York.

Gerald M. **Meier** and James E. **Rauch**: 2006. Leading Issues in Economic Development\*. Oxford University Press. New Delhi.

Human Development Reports: World Bank.

James M. **Cypher** and James L. **Dietz**: 2009. The Process of Economic Development\*. Routledge. New York.

Jean **Dreze** and Amartya **Sen**: 2007. India's Development: Selected Regional Perspectives\*. Oxford University Press. New Delhi.

K. **Subbarao**, et. al.:1997. Safety Net Programmes and Poverty Reduction. Word Bank. Washington.

Micheal P. **Todaro**:2000. Economic Development. Pearson Education Limited. Harlow, England.

P. Bardhan: The Pollitical Economy of Development in India\*.

Richard **Grabowski**, Sharmistha **Self** and Michael P. **Shields**: 2007. Economic Development: A Regional, Institutional and Historical Approach. Prentice Hall of India Ltd. New Delhi.

Bo Sodersten: International Economics.

Terence J. **Byers**: 1998. The Indian Economy\*. Oxford University Press. New Delhi. Yujiro **Hayami**: 2001. Development Economics. Oxford University Press. New Delhi.

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# Syllabus: M. Phil. (A & R Econmics) Semester II Paper VI: Development Economics (II).

## **Unit 1 Elements of Growth and Development:**

**Natural resources**: land, geographical and climate based comparative advantage, flora and fauna, quality of environment, compensating for resource deficiency;

**Critical determinants**: social history, attitudinal disposition, institutional and organizational structures, financial market, banking, capital market; politico-administrative character and capabilities;

**Factorial requirements**: Human resource- human resource development, health, education, training and skill augmentation;

#### **Unit 2 Elements of Growth and Development:**

**Capital**: ICOR and the rate of growth, capital accumulation, domestic savings, reinvestment of profits, trade and current account surplus, foreign capital;

**Technology**: role of technology, invention and innovation, R&D, technical change and the production possibility frontier, choice of technology- labour intensive vs. capital intensive technology, intermediate technology, obsolete technology;

**Infrastructure:** transport ways, energy- electricity, hydro-carbons, and renewable alternatives, education and HRD;

#### **Unit 3 External Sector Linkages of Growth and Development:**

**Trade as an engine of growth**: comparative advantage, Technology transfer, imitation, and learning, dynamic gains of trade; dependency paradigm, deteriorating terms of trade and immiserizing growth, export promotion and import substitution industrialization, Myrdal's interregional backwash and spread effects,

## **Unit 4 External Sector Linkages of Growth and Development:**

FDI: MNCs- structure, interest, and impact;

**Portfolio investment** and financial capital, capital requirement and speculative instability, flying bird capital and policy constraint;

**Foreign assistance**: conditionalities, end use, and absorption capacity; structural deficit and international debt;

Role of multilateral agencies: the IMF, the World Bank, the WTO, regional blocks;

## **Unit 5 Indian Experience:**

#### **Colonial legacy**;

**Post-independence**: planned era, institution building- mixed economy and state control, land reform, financial and monetary market, industrial policy, population policy, price policy;

**Liberalization** and the economic integration with the rest of the world, policy reform, regulatory authorities, strategic economic management;

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**Unit 6 Critical Issues: The accountability** of the development policy, and the accountability of the development functionaries; public corruption- the hive of the knave or the impediment to the welfare of the greatest;

**Development administration**: planning and the Planning Commission, National Development Council, executive ministries, and Finance Commission;

Decentralized development administration: state level machinery, DRDA, DUDA, PRIs;

#### **Unit 7 The Challenges:**

**Distributive justice**, land acquisition, displacement and the compensatory justice, inclusive growth, sustainable development, basic needs provision, poverty removal, corporate social-economic responsibility, growth accountability, basic education, broad based entitlement to basic freedomsfreedom from hunger, deprivation, inhibition and bondage, reaching to the bottom, and taking the care of the least advantaged;

## **Unit 8 The external challenges:**

Economic fundamentals (exchange rate stability, inflation, balance of payment); hegemony of the economic super powers, comparative advantage in a globalized world of the World Trade Organization, integrated world markets; global depression;

## References (for papers II & VI):

Amratya K. **Sen**: Growth Economics\*. Penguin.

Benjamin **Higgins**: Economic Development.

Debraj Ray: 2008. Development Economics\*.Oxford University Press. New York.

Gerald M. Meier and James E. Rauch: 2006. Leading Issues in Economic Development\*. Oxford

University Press. New Delhi.

Human Development Reports: World Bank.

James M. **Cypher** and James L. **Dietz**: 2009. The Process of Economic Development\*. Routledge. New York.

Jean **Dreze** and Amartya **Sen**: 2007. India's Development: Selected Regional Perspectives\*. Oxford University Press. New Delhi.

K. **Subbarao**, et. al.:1997. Safety Net Programmes and Poverty Reduction. Word Bank. Washington. Micheal P. **Todaro**:2000. Economic Development. Pearson Education Limited. Harlow, England.

P. Bardhan: The Pollitical Economy of Development in India\*.

Richard **Grabowski**, Sharmistha **Self** and Michael P. **Shields**: 2007. Economic Development: A Regional, Institutional and Historical Approach. Prentice Hall of India Ltd. New Delhi.

Bo **Sodersten:** International Economics.

Terence J. **Byers**: 1998. The Indian Economy\*. Oxford University Press. New Delhi. Yujiro **Hayami**: 2001. Development Economics. Oxford University Press. New Delhi.

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#### Paper IV: Practical (Field Survey)

The purpose of this paper is to acquaint the students to understand, analyze and interpret as well as to experience with and deal with real life economic phenomena, issues and problems. The students will have to identify an economic topic/issue/problem of their preference, be it from any sector or economic area, and they will try to understand the nature of that chosen phenomena. They will collect either first-hand information or compile a secondary data base for that purpose. They will prepare a report on their work which will be presented and discussed in an open classroom session.

Students will be allotted to a teacher under whose guidance they will work and whose satisfaction regarding the genuineness and worthiness of the work will be necessary for submission and evaluation of the practical/fieldwork report. The same teacher will also be the part of the panel of examiners as internal evaluator for the work of students under her/his guidance.

## Paper VIII: Practical (Data Analyses and Interpretation)

This paper is in continuation of the work undertaken in the last semester (i.e. semester 1). The thrust of this part of practical/fieldwork is to acquaint and familiarize the students with evaluation and interpretation of the information and data compiled by them and also to make them familiar with academic report/dissertation/theses/project writing coupled with presentation thereof amid an open session inviting interactive queries, questions, debate and discussion. It is necessary that the project must contain the analysis and interpretation of economic significance. It should be sincere, comprehensive and deeply penetrating.

The students will work under the guidance of the same teacher who guided them in the last semester. Her/his satisfaction regarding the genuineness and worthiness of the work will be necessary for submission and evaluation of the practical/fieldwork report. She/he will also be the part of the panel of examiners as internal evaluator for the work of students under her/his guidance.

## **Paper IX Dissertation:**

The objective of the dissertation is to make the students well to do in higher order research and investigation. The students are expected to acquire satisfactory competence to identify and pick up a problem for academic research, make methodological plans, carry out the data collection and other activities related with the research objectives. They should be well acquainted with elucidate writing of synopses, research projects, papers, articles and dissertations. Also the students should be able to logically present their research work and its findings etc. the purpose in short of this paper is to make the students a good economic researcher and investigator.

Identification of a topic for dissertation will be taken by the student from her/his broad areas of interest and the role of supervisor will be limited to that of an expert counsellor at this stage.

Synopsis for dissertation should contain at least the following points:

- a. General introduction of the problem/issues involved in the study and identification of key variables;
- b. Objectives of the research study;
- c. Rationale and importance of the study;

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- d. A brief review of literature comprehensively related to the research topic;
- e. Research methodology and research plan along with time plan;
- f. References and bibliography; and
- g. Schedule/questionnaire (if necessary).

Dissertation should follow the synopses and at least all the above mentioned points should get comprehensive attention and mention in the written document. Methodological aspects, review of related issues and findings as well as interpretation of findings must get proper attention of the researcher.

Presentation of synopses, and dissertation as well, will be made in an open session attended by all students of the department.

#### Paper X Viva-Voce:

Viva-Voce, though an open ended session, will largely concentrate, inter alia, on the following variables:

- a. General and particular understanding of the researcher about the research problem undertaken by her/him, including inter-sectoral and inter-disciplinary aspects of the topic as well;
- b. General and particular understanding of the students of the science and art of Economics as a field of practical and academic importance, economic analyses, local, national and global economic problems and issues etc.;
- c. Students' Level of intellectual awareness and their capacity to deal with economic and other issues when confronted with;
- d. Comprehension, cooperation and communication skills of the students as revealed by their session long behavioral pattern as well as unfolded through facilitating and interactive dialogues session at the time of viva-voce.

#### Disclaimer:

This communication is only for general information of all students. In case of discrepancy between this information and departmental bulletins/notices being issued from time to time the latter will be acceptable. Also the department may change any of its contents as and when required.